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# LONGVIEW Energy Exchange

January 31, 2014

Docket Control  
Arizona Corporation Commission  
1200 West Washington  
Phoenix, Arizona 85007

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AZ CORP COMMISSION  
DOCKET CONTROL

2014 JAN 31 PM 2 34

RE: Longview Energy Exchange Ten-Year Transmission Plan  
Docket No. E-00000D-13-0002

**ORIGINAL**

Enclosed please find Longview Energy Exchange's ("Longview") Ten Year Transmission Plan filed in compliance with A.R.S. -§40-360.2. Longview's major transmission facilities are described in Attachment A and are conceptually located as depicted in Figure 1 of Attachment A. These transmission facilities are needed to interconnect a planned 2000 MW adjustable speed hydro-electric pumped storage project by the year 2021.

This is the first year the Longview transmission facilities are being filed with the Arizona Corporation Commission for inclusion in the State of Arizona's Ten Year Transmission Plan. At least two of the three planned lines will be required to reliably interconnect the Longview pumped storage project to the 500 kV transmission grid. A 500 kV line from Longview interconnecting with the Mead-Perkins 500 kV line at a new 500 kV switchyard near WAPA's Peacock Substation is considered a core element in our transmission plan. A second 500 kV line will be constructed from Longview to either the existing APS Yavapai 500 kV Substation or to a new switchyard in the APS Moenkopi – Eldorado 500 kV line. A Transmission Feasibility Study Report of this project is available for download from the project website at: <http://longviewee.com/>.

Longview has actively attended and participated in the SWAT/WestConnect subregional and regional planning processes since late 2011. A Longview Ten-Year Transmission Plan was filed with WestConnect in December of 2013. The Longview Energy Exchange project was also included in a 2013 WECC resource firming study for three high renewable energy penetration scenarios considered in the West. That WECC report is available from WECC at: [http://www.wecc.biz/committees/BOD/TEPPC/Pages/2013\\_Plans.aspx](http://www.wecc.biz/committees/BOD/TEPPC/Pages/2013_Plans.aspx)

If you have questions regarding this information, please contact me at (480)-620-8176.

Sincerely,

Jerry D. Smith, P.E.

JDS

Attachment

Arizona Corporation Commission  
**DOCKETED**

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**Longview Energy Exchange, LLC  
2014-2023 Transmission Plan**

**LONGVIEW TO PEACOCK 500 KV LINE**

**Project Sponsor:** Longview Energy Exchange, LLC

**Other Participants:** Not Applicable

**Size:**

- |   |  |
|---|--|
| (a) Voltage Class                             | 500 kV   |
| (b) Facility Rating                           | To be determined   |
| (c) Point of Origin                           | New Longview 500 kV Switchyard                                   |
| (d) Intermediate Points<br>of Interconnection |  |
| (e) Point of Termination                      | New 500 kV Switchyard in vicinity of existing Peacock Substation |
| (f) Length                                    | 50 miles   |

**Routing:** Westerly from the Longview Energy Exchange Pumped Storage 500 kV Switchyard to interconnect with the Mead – Perkins 500 kV line in the vicinity of WAPA's Peacock Substation

**Purpose:** Delivery of energy to/from a new 2000 MW hydro-electric pumped storage project

**Date:**

- |                        |      |
|------------------------|------|
| (a) Construction Start | 2018 |
| (b) Est. In Service    | 2021 |

**Permitting / Siting Status** FERC Preliminary Permit Application filed as Project No. 14341-000. He FERC Order was issued April 26, 2012. Certification of Environmental Compatibility application to ACC is pending environmental study of routes.

**Longview Energy Exchange, LLC  
2014-2023 Transmission Plan**

**LONGVIEW TO YAVAPAI 500 KV LINE**

<b>Project Sponsor:</b>	Longview Energy Exchange, LLC
<b>Other Participants:</b>	Not Applicable
<b>Size:</b>	
<b>(g) Voltage Class</b>	500 kV
<b>(h) Facility Rating</b>	To be determined
<b>(i) Point of Origin</b>	New Longview 500 kV Switchyard
<b>(j) Intermediate Points         of Interconnection</b>	
<b>(k) Point of Termination</b>	Existing Yavapai 500 kV Switchyard
<b>(l) Length</b>	40 miles
<b>Routing:</b>	Southeasterly from the Longview Energy Exchange Pumped Storage 500 kV Switchyard to interconnect with Navajo Transmission System at Yavapai Substation
<b>Purpose:</b>	Delivery of energy to/from a new 2000 MW hydro-electric pumped storage project
<b>Date:</b>	
<b>(c) Construction Start</b>	2018
<b>(d) Est. In Service</b>	2021
<b>Permitting / Siting Status</b>	FERC Preliminary Permit Application filed as Project No. 14341-000. He FERC Order was issued April 26, 2012. Certification of Environmental Compatibility application to ACC is pending environmental study of routes.

**Longview Energy Exchange, LLC  
2014-2023 Transmission Plan**

**LONGVIEW TO MOENKOPI-ELDORADO 500 KV LINE**

<b>Project Sponsor:</b>	Longview Energy Exchange, LLC
<b>Other Participants:</b>	Not Applicable
<b>Size:</b>	
(m) Voltage Class	500 kV
(n) Facility Rating	To be determined
(o) Point of Origin	New Longview 500 kV Switchyard
(p) Intermediate Points of Interconnection	
(q) Point of Termination	New 500 kV Switchyard in Moenkopi-Eldorado 500 kV Line
(r) Length	40 miles
<b>Routing:</b>	Northerly from the Longview Energy Exchange Pumped Storage 500 kV Switchyard to interconnect with the Moenkopi – Eldorado 500 kV line
<b>Purpose:</b>	Delivery of energy to/from a new 2000 MW hydro-electric pumped storage project
<b>Date:</b>	
(e) Construction Start	2018
(f) Est. In Service	2021
<b>Permitting / Siting Status</b>	FERC Preliminary Permit Application filed as Project No. 14341-000. He FERC Order was issued April 26, 2012. Certification of Environmental Compatibility application to ACC is pending environmental study of routes.

